


Notice of Allowability	Application No.	Applicant(s)	
	09/937,130	ISHIZAWA ET AL.	
	Examiner	Art Unit	
Anh t.n Vo	2861		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 7/29/2004.
2. ☒ The allowed claim(s) is/are 1,4,6-13,50-53,55,56 and 58-68.
3. ☒ The drawings filed on 29 January 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Art Unit: 2861

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to an applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The following changes have been made in a subject of the application to place the claims in a condition for allowance:

Claim

In claim 50:

- line 2, inserted --a-- before “connectivity” at first occurrence.

In claim 62:

- lines 4 and 6, changed “conduit” to --circuit-- before “connectivity” at first occurrence.

In claim 63:

- line 9, changed “ink outlet” to --air outlet-- .

The above change was made to avoid unclear language and to place the application in better condition for allowance.

REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance:

Claims 6-9 and 68-69 are allowed because none of the prior art references of record teaches an ink cartridge for use with a recording apparatus comprising an ink outlet port, an air inlet ports and a contact that are disposed so as to create a substantially linear line along a lengthwise direction of a mounting surface of said cartridge in the combination as claimed.

Art Unit: 2861

Claims 10-13 and 55-56 are allowed because none of the prior art references of record teaches an ink cartridge for use with a recording apparatus comprising an electrical connection that is complete between the recording apparatus and the ink cartridge when the ink cartridge is mounted on said recording apparatus, the electrical connection comprising an electrical circuit enabling a pressure pump that pressurizes the pressurized air in the combination as claimed.

Claim 50 is allowed because none of the prior art references of record teaches a recording apparatus comprising connectivity for attaching an ink cartridge to said recording apparatus, the connectivity including ink connectivity, pressurized air connectivity and electrical connectivity; wherein the connectivity is substantially concurrently made in the combination as claimed.

Claims 51-53 are allowed because none of the prior art references of record teaches an ink cartridge for use with a recording apparatus comprising an ink outlet port, an air inlet port and a connection terminal that are connected to the recording apparatus substantially concurrently in the combination as claimed.

Claims 58-61 and 66-67 are allowed because none of the prior art references of record teaches an ink cartridge for use with a recording apparatus comprising after an interior of the ink pack that is in fluid communication with the recording apparatus through an ink outlet port, an interior of the cartridge case is in fluid communication through an air inlet port such that air is introduced to the cartridge interior in an intermittent manner after the ink cartridge is mounted to the recording apparatus in the combination as claimed.

Claim 62 is allowed because none of the prior art references of record teaches a recording apparatus comprising an electrical circuit that enables a pump to pump air via between the recording apparatus and the ink cartridge the air conduit, and wherein the pump is not enabled when the at least part of the electrical circuit is not complete in the combination as claimed.

Art Unit: 2861

Claims 63-65 are allowed because none of the prior art references of record teaches an ink cartridge for use with a recording apparatus comprising the ink cartridge that is mounted to a recording apparatus completes at least part of an electrical circuit between a connection terminal and the recording apparatus such that a pump is enabled only when the electrical circuit is completed to pump air to the air inlet port in the combination as claimed.

CONCLUSION

Any comments considered necessarily by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Anh Vo whose telephone number is (571) 272-2262. The examiner can normally be reached on Tuesday to Friday from 8:30 A.M. to 6:30 P.M..

The fax number of this Group 2800 is (703) 872-9306.



ANH T.N. VO
PRIMARY EXAMINER

August 12, 2004